

**Hernandez, Kathryn**

**From:** Jim Blankenau [jim.blankenau@parkcity.org]  
**Sent:** Tuesday, October 15, 2013 1:31 PM  
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**Cc:** Messersmith, Tammi  
**Subject:** October 2013 Quarterly EE/CA Progress Report

This report is intended to satisfy the requirement of paragraph 36 of the Richardson Flat Tailings Site OU4 Administrative Settlement and Order on Consent.

- (1) Describe the actions that have been taken by Park City during the quarter.**
  - a. Surveyed network of piezometers and sample/measurement points. Data included in the Water Level and Flow letter reports.
  - b. Park City's consultant, URS Corporation has collected three (3) rounds of monthly water level and flow data on July 8th-11th, August 8th, and September 10th. A letter report summarizing those activities and including the data collected has been submitted to EPA.
  - c. Park City's consultant, URS Corporation has collected one quarter of groundwater, surface water, and Prospector Drain samples on July 9th-12th. Data was submitted to EPA via FTP site.
  - d. Park City's consultant, URS Corporation has completed the Piezometer Installation Report, including all soil data collected. All data was submitted to EPA via FTP site. The report will be submitted to EPA the beginning of the next quarter.
  - e. Park city has contracted with URS Corporation to assist in NRDA activities.
- (2) Include all results of sampling and tests and all other data received by Park City.**
  - a. Due to the volume of data, all data received during this quarter has been previously submitted to EPA in the form of letter reports and FTP data uploads, as described above.
- (3) Describe work planned for the next two quarters with schedules relating to such work to the overall project schedule for EE/CA completion.**
  - a. Collection of six (6) rounds of monthly water level and flow data. Approx. Oct. 8th, Nov. 7th, Dec. 9th, Jan. 7th, Feb. 7th, and Mar. 7th.
  - b. Collection of two (2) quarters of groundwater, surface water, and Prospector Drain samples. Second week of October and the second week of January.
  - c. Develop and submit six (6) Monthly Water Level/Flow Letter Reports. End of each month.
  - d. Develop and submit two (2) Quarterly Sampling Letter Reports. Third week in November and third week in February.
- (4) Describe all problems encountered and any anticipated problems, any actual or anticipated delays, and solutions developed and implemented to address these.**
  - a. Shortly after installation of the weir at SW4, which was installed with the v-notch plate attached based on recent low flows, there was a storm event that caused the weir to overtopped and flood the area upstream of the weir. In response to that event, sand bags were removed from around the weir to allow the flooded water to pass and to allow the v-notch plate to be removed, so that the cipoletti weir was in place, which allows for greater flows to pass. Flooding has not been a problem since.
  - b. Rodent holes have been observed adjacent to the weir at SW4, causing leaking around the weir. Visible holes were filled with fine grained sediment. The problem will be monitored during monthly water level measurement and addressed as it is observed.

- c. Beavers are building dams just upgradient of the weirs installed for the EE/CA, which impede flow data collection. To address this, the beaver dams are removed the day before water level and flow data are collected each month.

Thanks,

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